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DATE MAILED: 08/30/2006

APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/718,135		11/19/2003	Rongxin Pan	USP2293C-DRSH	SP2293C-DRSH 9079	
30265	7590	08/30/2006		EXAMINER		
RAYMOND Y. CHAN				RIELLEY, ELIZABETH A		
108 N. YNEZ AVE., SUITE 128 MONTEREY PARK, CA 91754				ART UNIT PAPER NUM		
	,			2879		

Please find below and/or attached an Office communication concerning this application or proceeding.

				SV		
		Application No.	Applicant(s)			
Office Andieus Commence		10/718,135	PAN ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Elizabeth A. Rielley	2879			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failui Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication, operiod for reply is specified above, the maximum statutory period we re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from 1, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on <u>05 Ju</u>	ıly 2006.				
2a) <u></u> □	☐ This action is FINAL . 2b) ☑ This action is non-final.					
3)	Since this application is in condition for allowan					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) 25-27 is/are pending in the application 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 25-27 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Application	on Papers					
10)🖾 🛚	The specification is objected to by the Examiner The drawing(s) filed on 19 November 2003 is/an Applicant may not request that any objection to the d Replacement drawing sheet(s) including the correction to the oath or declaration is objected to by the Example 1.	re: a) \square accepted or b) \square objectod rawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority u	nder 35 U.S.C. § 119					
a)[2	Acknowledgment is made of a claim for foreign p All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau ee the attached detailed Office action for a list of	have been received. have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment	· •					
2) 🔲 Notice 3) 🔲 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:				

DETAILED ACTION

Response to Amendment

Amendment filed 6/26/06 has been entered and considered by the Examiner. Claims 1-24 have been canceled; claims 25-27 have been added. Currently, claims 25-27 are pending in the instant application.

Claim Rejections - 35 USC § 103

Claims 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishio et al (US 6437502) in view of Ge et al (US 6515433).

Nishio et al ('502) teach an illuminable unit, comprising: a light tube (18; figure 5; column 12 line 14 - column 13 line 18) having two end portions downwardly extended there from (41; figure 11; column 22 line 59 – column 24 line 49), wherein said light tube further has a light cavity containing a mercury source, which is an amalgam (amalgams are made from liquid mercury¹) therein and filling with inert gas (column 12 lines 14-38), and a phosphor layer coated on an inner wall of said light tube (column 12 lines 14-38); a cathode terminal supported at one of said end portions of said light tube (cathode 45; not numbered; see figure 5); a conductor enclosure (not numbered: see figure 5) having an upper head portion sealed mounted within said

¹ http://en.wikipedia.org/wiki/Dental_amalgam

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respective end portion of said light tube in a concealed manner (see figure 5) and is coaxially received within the respective end portion of the light tube (see figure 14); wherein the conductor enclosure (see figure 5) is sealed at a bottom end of the respective end portion within an end portion of the light tube (see figures 4 and 14); the conductor enclosure has an inner gas exhausting passage communicating with said light cavity (41; figure 5; column 14 lines 26-42) in order to discharge air from the tube (column 14 lines 28-30); and a conductor wire (145; figure 14; column 28 lines 20-29) electrically extended from said cathode terminal (not numbered, see figure 14) to an exterior of said light tube (146 and 147) for electrifying said mercury source wherein the conductor wire is extended through the conductor enclosure (144) within a respective end portion of the light tube (see figure 14), such that the conductor enclosure (144) securely retains the conductor wire within the respective end portion of the light tube to electrically connect to the electrode terminal (not numbered; see figure 14).

Nishio et al ('502) are silent regarding the limitations of the light tube having a spiral-shaped light body, in which a conductor enclosure has a length approximately equal to a length of each end portion of the light tube. However, one skilled in the art would reasonably contemplate modifying the device of Nishio et al ('502) to include the claimed light tube design, as an obvious matter of design engineering as evidenced by Ge et al ('433; see figure 20; conductor enclosure 212 is the approximate size of the ends of spiral tube 1'; column 12 lines 32-39). Applicant's claimed design does not provide unexpected results that are not within the teaching applied, since both light tubes disclosed in Nishio and Ge as well as the light tube disclose by the Applicant perform the same function of housing a gas for a fluorescent lamp. Thus, it would have been obvious at the time of the invention to one of ordinary skill in the art to

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incorporate the design of the fluorescent lamp of Ge with the fluorescent lamp as taught by Nishio as a matter of design choice.

In response to the limitation that the conductor enclosure is mounted in as way so as to substantially reduce an overall height of the illuminable unit, the Examiner notes that this is an intended use limitation. It has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. Ex parte Masham, 2 USPQ2d 1647 (1987).

Response to Arguments

Applicant's arguments with respect to claims 25-27 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth A. Rielley whose telephone number is 571-272-2117. The examiner can normally be reached on Monday - Friday 7:30 - 4:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ingalush Rielley
Elizabeth Rielley

Examiner
Art Unit 2879

MARICELI SANTIAGO PRIMARY EXAMINER